

Heating Ventilation and Air Conditioning Design Fundamentals
Load Calculations According to ACCA Manual J
Duct Design Following the Guidelines of ACCA Manual D
Mr. Paul Wieboldt

Mr. Paul Wieboldt is the founder and operator of Tradewinds Appropriate Technologies, a building performance and HVAC training company. He has extensive experience as a teacher and trainer and is a certified trainer with the Air Conditioning Contractors of America (ACCA). Mr. Wieboldt is a certified HERS (Home Energy Rating) rater for the Environmental Protection Agency's Energy Star Program. He has written several Texas Department of License and Regulation approved continuing education courses for HVAC contractors, and presented courses for the Texas Department of Housing and Community Affairs Energy Assistance Section on the subject of HVAC assessment and fundamentals. Mr. Wieboldt and his staff have performed thousands of onsite assessments of new and existing HVAC systems as program validators for the ONCOR Electric Delivery sponsored A/C installers program. He and Tradewinds perform on-site training and consulting work for Austin Energy and have trained hundreds of HVAC contractors in the San Antonio area in the fundamentals of testing and balancing for the National Comfort Institute. Recent hosts include CPS Energy, ACES A/C Supply and Insco Distributing. Notably, Mr. Wieboldt was responsible for installing geothermal air conditioning on the President's ranch in Crawford.

Load Calculations According to ACCA Manual J – Morning Session

This four-hour course contains practical, every day experiential examples and some very interesting "myth busting" information. In this hands-on session, attendees learn how to perform a simple load calculation according to Air Conditioning Contractors of America (ACCA) Manual J and how to select equipment according to ACCA Manual S to match the Manual J calculations.

Duct Design Following the Guidelines of ACCA Manual D – Afternoon Session

This four-hour "Simple Art of Duct Design" course follows the guidelines of the ACCA Manual D. Participants learn the most common mistakes in duct design prevalent in the HVAC industry and come away with a better understanding of "right sizing" HVAC systems. This course dispels the myths that prevent HVAC contractors from choosing more energy efficient solutions in HVAC design. Participants also become keenly aware of the most common duct design flaws plaguing the residential HVAC industry.